CLAIMS

What is claimed is:

1.   A method for processing macros of varying grammatical invocation by a pre-processor, said method comprising:

      receiving an identifier token from source code;

      in response to said identifier token matching a macro identifier stored in a symbol table,

            replacing said identifier token with a macro form token corresponding to said identifier token from said symbol table;

            sending said macro form token to a glue routine;

            invoking a macro invocation parser by said glue routine;

            transferring tokens to said macro invocation parser via said glue routine until a completion of said macro invocation; and

            sending a macro body definition of said macro to a lexer by said macro invocation parser.

1   2.   The method of Claim 1, wherein said receiving step is performed by a lexer.

1   3.   The method of Claim 1, wherein said replacing step is performed by a lexer.

1   4.   The method of Claim 1, wherein said sending step is performed by a lexer.

5.   The method of Claim 1, wherein said transferring step further includes transferring tokens from a lexer to said macro invocation parser.

6. A computer program product residing on a computer usable medium for processing macros of varying grammatical invocation by a pre-processor, said computer program product comprising:

program code means for receiving an identifier token from source code;

in response to said identifier token matching a macro identifier stored in a symbol table,

program code means for replacing said identifier token with a macro form token corresponding to said identifier token from said symbol table;

program code means for sending said macro form token to a glue routine;

program code means for invoking a macro invocation parser by said glue routine;

program code means for transferring tokens to said macro invocation parser via said glue routine until a completion of said macro invocation; and

program code means for sending a macro body definition of said macro to a lexer by said macro invocation parser.

1　　7.　　The computer program product of Claim 6, wherein said program code means for

2　　receiving is a lexer.

1　　8.　　The computer program product of Claim 6, wherein said program code means for

2　　replacing is a lexer.

1　　9.　　The computer program product of Claim 6, wherein said program code means for

sending is a lexer.

10.　　The computer program product of Claim 6, wherein said program code means for

transferring further includes computer code means for transferring tokens from a lexer to

said macro invocation parser.